

OIEP

## RAW SEQUENCE LISTING

DATE: 06/21/2001

PATENT APPLICATION: US/09/735,712

TIME: 17:56:57

Input Set : A:\SEQLIST - LEX-0109-USA.txt

Output Set: N:\CRF3\06212001\I735712.raw

ENTERED

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4 <110> APPLICANT: Walke, D. Wade
5     Turner, C. Alexander Jr.
7 <120> TITLE OF INVENTION: Novel Human Membrane Proteins and
8     Polynucleotides Encoding the Same
11 <130> FILE REFERENCE: LEX-0109-USA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/735,712
C--> 13 <141> CURRENT FILING DATE: 2000-12-12
13 <150> PRIOR APPLICATION NUMBER: US 60/171,567
14 <151> PRIOR FILING DATE: 1999-12-22
16 <160> NUMBER OF SEQ ID NOS: 9
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 603
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapien
25 <400> SEQUENCE: 1
26 atggattcaa gcaccgcaca cagtcgcggtg tttctggtat ttcctccaga aatcactgct      60
27 tcagaatatg agtccacaga acttttcagcc acgacctttt caactcaaag ccccttgcaa      120
28 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctggt tggaattatg      180
29 acctttttct ttggagttat cttccttttc accttgtaa aaccatatcc aaggtttccc      240
30 tttatatttc tttcaggata tccattctgg ggctctggtt tgttcattaa ttctggagcc      300
31 ttcttaattg cagtgaaaag aaaaaccaca gaaactctga taatattgag ccgaataatg      360
32 aatcttctta gtgccttgag agcaatagct ggaatcattc tcctcacatt tggtttcac      420
33 ctatgatcaa actacatttg tggttattct caccaaaata gtcagtgtaa ggctgttact      480
34 gtctgtttct tgggaatttt gattacattg atgactttca gcattattga attattcatt      540
35 tctctgcctt tctcaatttt ggggtgccac tcagaggatt gtgattgtga acaatgttgt      600
36 tga                                          603
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 199
40 <212> TYPE: PRT
41 <213> ORGANISM: Homo sapien
43 <400> SEQUENCE: 2
44 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
45 1          5          10          15
46 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
47          20          25          30
48 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
49          35          40          45
50 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
51          50          55          60
52 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
53 65          70          75          80
54 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
55          85          90          95
56 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
57          100         105         110
58 Leu Ile Ile Leu Ser Arg Ile Met Asn Leu Leu Ser Ala Leu Arg Ala

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59          115          120          125
60 Ile Ala Gly Ile Ile Leu Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn
61      130          135          140
62 Tyr Ile Cys Gly Tyr Ser His Gln Asn Ser Gln Cys Lys Ala Val Thr
63 145          150          155          160
64 Val Leu Phe Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile
65          165          170          175
66 Glu Leu Phe Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu
67          180          185          190
68 Asp Cys Asp Cys Glu Gln Cys
69      195
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 246
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapien
76 <400> SEQUENCE: 3
77 atgaatcttc ttagtgcctt gagagcaata gctggaatca ttctcctcac atttggtttc      60
78 atcctagatc aaaactacat ttgtgggttat tctcaccaaa atagtcagtg taaggctgtt      120
79 actgtcctgt tcttggggaat tttgattaca ttgatgactt tcagcattat tgaattattc      180
80 atttctctgc ctttctcaat tttgggggtgc cactcagagg attgtgattg tgaacaatgt      240
81 tgttga      246
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 81
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapien
88 <400> SEQUENCE: 4
89 Met Asn Leu Leu Ser Ala Leu Arg Ala Ile Ala Gly Ile Ile Leu Leu
90 1          5          10          15
91 Thr Phe Gly Phe Ile Leu Asp Gln Asn Tyr Ile Cys Gly Tyr Ser His
92          20          25          30
93 Gln Asn Ser Gln Cys Lys Ala Val Thr Val Leu Phe Leu Gly Ile Leu
94          35          40          45
95 Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe Ile Ser Leu Pro
96          50          55          60
97 Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp Cys Glu Gln Cys
98 65          70          75          80
99 Cys
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 417
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapien
107 <400> SEQUENCE: 5
108 atggattcaa gcaccgcaca cagtccggtg tttctggtat ttcctccaga aatcactgct      60
109 tcagaatatg agtccacaga actttcagcc acgacctttt caactcaaag ccccttgcaa      120
110 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctgtt tggaattatg      180
111 accttttctt ttggagttat cttccttttc accttggtta aaccatatcc aaggtttccc      240
112 tttatatattc tttcaggata tccattctgg ggcctctgtt tgttcattaa ttctggagcc      300
113 ttcctaattg cagtgaaaag aaaaaccaca gaaactctga tcaaaactac atttgtggtt      360
114 attctcacca aaatagtcag tgtaaggctg ttactgtcct gttcttgga attttga      417

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116 <210> SEQ ID NO: 6
117 <211> LENGTH: 138
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapien
121 <400> SEQUENCE: 6
122 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
123   1           5           10           15
124 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
125           20           25           30
126 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
127           35           40           45
128 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
129           50           55           60
130 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
131           65           70           75           80
132 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
133           85           90           95
134 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
135           100          105          110
136 Leu Ile Lys Thr Thr Phe Val Val Ile Leu Thr Lys Ile Val Ser Val
137           115          120          125
138 Arg Leu Leu Leu Ser Cys Ser Trp Glu Phe
139           130          135

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141 <210> SEQ ID NO: 7
142 <211> LENGTH: 450
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapien
146 <400> SEQUENCE: 7
147 atggattcaa gcaccgcaca cagtcgggtg tttctggtat ttcctccaga aatcactgct      60
148 tcagaatatg agtccacaga actttcagcc acgacctttt caactcaaag ccccttgcaa      120
149 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctgtt tggaattatg      180
150 accttttctt ttggagttat cttccttttc accttggtta aaccatatcc aaggtttccc      240
151 tttatatattc ttccaggata tccattctgg ggctctgttt tgttcattaa ttctggagcc      300
152 ttcctaattg cagtgaagaag aaaaaccaca gaaactctgg gaattttgat tacattgatg      360
153 actttcagca ttattgaatt attcatttct ctgcctttct caattttggg gtgccactca      420
154 gaggattgtg attgtgaaca atgttggtga
155                                     450

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156 <210> SEQ ID NO: 8
157 <211> LENGTH: 149
158 <212> TYPE: PRT
159 <213> ORGANISM: Homo sapien
161 <400> SEQUENCE: 8
162 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
163   1           5           10           15
164 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
165           20           25           30
166 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
167           35           40           45
168 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
169           50           55           60

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```

170 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
171 65                               70                               75                               80
172 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
173                               85                               90                               95
174 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
175                               100                              105                              110
176 Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe
177                               115                              120                              125
178 Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp
179                               130                              135                              140
180 Cys Glu Gln Cys Cys
181 145
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 676
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapien
188 <400> SEQUENCE: 9
189 tcatctcctt tcaaattatc accgacacca tcatggattc aagcaccgca cacagtccgg      60
190 tgtttctggt atttctccca gaaatcactg cttcagaata tgagtccaca gaactttcag      120
191 ccacgacctt ttcaactcaa agccccttgc aaaaattatt tgctagaaaa atgaaaatct      180
192 tagggactat ccagatcctg tttggaatta tgaccttttc ttttgagatt atcttctttt      240
193 tcaccttggt aaaaccatat ccaaggtttc cctttatatt tctttcagga tatccattct      300
194 ggggctctgt tttgttcatt aattctggag ccttctaat tgcagtgaaa agaaaaacca      360
195 cagaaactct gataatattg agccgaataa tgaatcttct tagtgccctg agagcaatag      420
196 ctggaatcat tctctcaca tttggtttca tcctagatca aaactacatt tgtggttatt      480
197 ctcacaaaaa tagtcagtgt aaggctgtta ctgtcctggt cttgggaatt ttgattacat      540
198 tgatgacttt cagcattatt gaattattca tttctctgcc tttctcaatt ttgggggtgcc      600
199 actcagagga ttgtgattgt gaacaatggt gttgactagc actgtgagaa taaagatgtg      660
200 ttaaaataaa aaaaaa                                676

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/735,712

DATE: 06/21/2001

TIME: 17:56:58

Input Set : A:\SEQLIST - LEX-0109-USA.txt

Output Set: N:\CRF3\06212001\I735712.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date